



U.S. DEPARTMENT OF EDUCATION

Education Data Exchange Network (EDEN)

X033 - Free and Reduced Price Lunch XML Specifications

Version 3.0

December 2006

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DOCUMENT INFORMATION

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DOCUMENT HISTORY

Version Number	Date	Summary of Change
1.0		Version 1.0 or subsequent updates (i.e. 1.1, 1.2, etc) of this file specification is used to build files for SYs 2003-04 and 2004-05.
2.0		Version 2.0 or subsequent updates (i.e. 2.1, 2.2, etc) of this file specification is used to build files for SY 2005-06.
3.0	12/2006	Updated for SY 2006-07: <ul style="list-style-type: none">4.2-1, 5.2-1: Updated Table Definition to align EDEN with existing CCD collections.4.1-1, 5.1-1: Removed “NQ – Not Qualified” from Lunch Program Status Permitted Values.3.0: Updated Guidance to align with CCD.

RELEASE AUTHORIZATION

Name	Signature / Date
Author	
QA	
Release Authority	

PREFACE

This document provides technical instructions for building files that can be submitted through the Education Data Exchange Network (EDEN). This document is used in coordination with the *EDFacts* Workbook and the EDEN Submission System User Guide.

EDEN is a centralized, coordinated repository of state reported, K-12, educational data residing at the U.S. Department of Education. The EDEN Submission System is an electronic system that facilitates the efficient and timely transmission of data from SEAs to the U.S. Department of Education.

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1.0 PURPOSE

This document contains instructions for building XML files to submit *EDFacts* Data Group: Free and Reduced Price Lunch, ID # 565. The definition for this data group is in the row “Table Name” in Table 4.2-1.

A separate document contains the non-XML file formats. General guidance for constructing all file types may be found in the *EDFacts* Workbook.

The data collected through this file specification is primarily for the Non-Fiscal Survey of the Common Core of Data (CCD), and secondarily for other U.S. Department of Education users of elementary and secondary education data as an indicator of socioeconomic status.

1.1 Changes from the SY 2005-06 File Specifications

There have been changes to this file specification:

- Updated Table Definition to align EDEN with existing CCD collections. The new definition requires a count of students eligible according to the National School Lunch Act (as opposed to the ‘state definition or criteria’ used in the 2005-06 *EDFacts* collection).
- Removed “NQ – Not Qualified” from Lunch Program Status Permitted Values because students who are not qualified for the lunch program are not included in this file.
- Updated Guidance to align with CCD; prekindergarten students are now included in this student count.

1.2 Requirements for Submitting this Data Group

The data group is submitted at the following levels:

- LEA, with the free or reduced lunch program under the National School Lunch Act.
- School, with the free or reduced lunch program under the National School Lunch Act.

The following table indicates the valid combinations of categories and the sub-totals and/or totals needed for this file. An “X” in the column indicates that the column must be populated when reporting that particular category. The total indicator must be either “Y” (Yes) or “N” (No). If the record is for a detail count, specify an “N” (No). If the record is for a subtotal or grand total, specify a “Y” (Yes).

Table 1.2-1: Free and Reduced Price Lunch, Required Categories, and Applicable Totals

Table Name	Lunch Program Status	Total Indicator	Comments
LUNCHFREERED	X	N	
LUNCHFREERED		Y	Grand Total

2.0 FILE NAMING CONVENTION

Being able to readily identify any particular file transmission is an important consideration for users of the EDEN Data Submission System. Being able to identify a particular file can greatly facilitate any technical assistance that may be requested by the state. A maximum of 25 characters (including the file extension) is allowed for the file name. The following is the naming convention for Free and Reduced Price Lunch transmittal file submissions:

sslev**PRICELNCH**vvvvvvv.xml

Where:

ss	= Two-character USPS State Abbreviation for the submitting SEA.
lev	= Three-character abbreviation for the level submitted. Use: LEA for a Local Education Agency Free and Reduced Price Lunch submission SCH for a School Free and Reduced Price Lunch submission
Filename	= PRICELNCH (no more than nine digits)
vvvvvvv	= Up to seven-character alphanumeric string designated by the SEA to uniquely identify the individual submission. (e.g., ver0001, v010803)
.xml	= The three-character file extension identifying the Data Records.

3.0 GUIDANCE FOR SUBMITTING THIS FILE

This file specification collects an unduplicated student count of those eligible for Free and Reduced Price Lunch, under the National School Lunch Act.

This file specification collects the student count on October 1 (or the closest school day to October 1). This count includes students both present and absent on the designated day; it excludes duplicate student counts within a specific school and students whose membership is reported by another school.

Enter 0 (zero) if the program exists, but there are currently no students eligible.

If the educational unit has no students enrolled, or if the education unit does not participate in the program, the education unit should be left out of the file.

3.1 Definitions

Free Lunch Qualified – Students eligible to participate in the Free Lunch Program under the National School Lunch Act. This definition **EXCLUDES** students eligible only for reduced price lunch.

Reduced Price Lunch Qualified – Students eligible to participate in the Reduced Price Lunch Program under the National Schools Lunch Act.

3.2 XML Specification Headings

The XML specifications are defined for each of the XML objects for the associated SEA, LEA, and SCH. They are represented in a table with the headings:

- Element: name of the XML element tag.
- Attribute: name of the XML attribute tag.
- Category Value: name of the category.
- Char: the XML element or attribute characteristic as previously defined.
- Definition/Comments: definition and additional comments related to formats or other business rules.
- Permitted Values: disaggregated values for data elements.

The characteristics (Char) column in the XML format matrices accepts the following codes:

Table 3.2-1: EDEN XML Format Codes

Code	Characteristic
M	Mandatory Element/Attribute
O	Optional
C	Conditionally Required
MR	Mandatory and Repeatable Element
OR	Optional and Repeatable Element
CR	Conditional and Repeatable Element

4.0 LEA FREE AND REDUCED PRICE LUNCH OBJECTS

In order to simplify the transmission process, the Local Education Agency has been separated into three (3) distinct metric and file transmit XML objects. The XML metric and file transmit objects are the same structure regardless of the metric information being transmitted. The structure contains a node that defines the LEA that corresponds to the submitted metric. In addition, the structure contains nodes representing characteristics of the metric (Lunch Program Status), the associated value, and whether the metric value is a sub-total or grand total. The metric objects are contained within the file transmission objects that define the group of values that is being submitted.

4.1 Category XML Object

The category XML object is used to define the characteristics associated with a count. There may be zero, one, or more categories defined for a count. The XML object matrix is followed by an example of the object.

Table 4.1-1: LEA, Category XML Object

Element	Attribute	Data Element Name (from Fixed Format document)	Category Value	Char	Definition / Comments	Permitted Values
CATEGORY						
	TYPE			M	The category(ies) for the table type.	
		Lunch Program Status		M		LUNCHPROG
	VALUE			M	The category permitted value.	
			LUNCHPROG	M	An indication of students' qualification for free or reduced price lunch.	FL – Free lunch qualified RPL – Reduced price lunch qualified MISSING

Example:

```
<CATEGORY TYPE="LUNCHPROG" VALUE="FL"/>
<CATEGORY TYPE="LUNCHPROG" VALUE="RPL"/>
```

4.2 Table Type XML Object

The table type XML object is used to define the type and value of the count. It may contain category XML objects to define additional characteristics. The XML object matrix is followed by an example of the object.

Table 4.2-1: LEA, Table Type XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
TABLETYPE					
	Table Name	TYPEABBRV	M	The unduplicated number of students who are eligible to participate in the Free Lunch and Reduced-Price Lunch Programs under the National School Lunch Act.	LUNCHFREERED
	Total Indicator	TOTALINDICATOR	M	An indicator that defines the count level (i.e., detail level, subtotal level or grand total level).	N – specifies detail level Y – specifies a subtotal or grand total level.
CATEGORY			M	The categories used to define the characteristics associated with the count.	
AMOUNT	Student Count		M	If the count provided is either a subtotal or grand total, it must be equal to or greater than the sum of its parts.	
EXPLANATION	Explanation		O	Submitted files will be processed through various edit checks. When unusual conditions are detected, warning errors may be issued, even though the data may be valid. When this occurs, an explanation responding to the warning may be submitted with the data, or after files have been processed. The Department of Education will verify explanations, and after verification, accept the data.	

The following example contains two detail records followed by a grand total:

```
<TABLETYPE TYPEABBRV="LUNCHFREERED" TOTALINDICATOR="N">
  <CATEGORY TYPE="LUNCHPROG" VALUE="FL"/>
  <AMOUNT>100</AMOUNT>
  <EXPLANATION>Explanation goes here.</EXPLANATION>
</TABLETYPE>
<TABLETYPE TYPEABBRV="LUNCHFREERED" TOTALINDICATOR="N">
  <CATEGORY TYPE="LUNCHPROG" VALUE="RPL"/>
  <AMOUNT>200</AMOUNT>
  <EXPLANATION>Explanation goes here.</EXPLANATION>
</TABLETYPE>
<TABLETYPE TYPEABBRV="LUNCHFREERED" TOTALINDICATOR="Y">
  <AMOUNT>300</AMOUNT>
</TABLETYPE>
```

4.3 Agency XML Object

This section defines the XML object used to submit all Local Education Agency metric information. The XML object matrix is followed by an example of the object.

Table 4.3-1: LEA, Agency XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
AGENCY					
	ID 559 FIPS State Code	FIPSSTATECODE	M	The two-digit Federal Information Processing Standards (FIPS) for the state, District of Columbia, and the possessions and freely associated areas of the United States (e.g., Puerto Rico).	For a list of valid FIPS State Codes, refer to the <i>EDFacts</i> Workbook.
	ID 570 State Agency Number	STATEAGENCYIDNUMBER	M	A number used in EDEN to uniquely identify state agencies. This ID cannot be updated through this file.	01 – State Education Agency
	ID 4 State LEA Identifier	STATELEAIDNUMBER	M	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as State LEA ID. This ID is a required field. This data element cannot be updated through this file.	
TABLETYPE			MR	The XML Object used to define the type and value of the count.	

Example:

```
<AGENCY FIPSSTATECODE="94" STATEAGENCYIDNUMBER="01"
  STATELEAIDNUMBER="001000-0000001">
  <TABLETYPE> See example in TableType section above. </TABLETYPE>
</AGENCY>
```

4.4 File Transmit XML Object

The file transmit object identifies the metric group being transmitted. It also identifies whether the metric group is at the LEA level. Further, each metric group has an allowable set of Table Types, categories, and category values that correspond to a particular reporting period. This section defines the various file transmit objects and valid metric combinations at the State Agency, LEA, and school level.

Table 4.4-1: LEA, File Transmit XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
FILETRANSMISSION			M		
	File Type	FILELAYOUTTYPE	M	Identifies the type of file being submitted.	LEA FREE AND REDUCED PRICE LUNCH
	File Identifier	FILEID	M	Any combination of standard characters to further identify the file as specified by the SEA, e.g., a date, person's name, and version number.	
	File Reporting Period	SCHOOLYEAR	M	Enter the Academic School Year for which data is being reported. The required format for entering the File Reporting Period is "CCYY-CCYY" or "CCYY CCYY", where either a hyphen or a space must separate the beginning and ending years, e.g., 2006-2007 or 2006 2007.	
AGENCY			MR	The information that fully describes the education unit.	

Example:

```
<FILETRANSMISSION
  FILELAYOUTTYPE="LEA FREE AND REDUCED PRICE LUNCH"
  FILEID="LEA Free Lunch Program"
  SCHOOLYEAR="2006-2007">
  <AGENCY> See the agency element for description </AGENCY>
</FILETRANSMISSION>
```

5.0 SCHOOL FREE AND REDUCED PRICE LUNCHOBJECTS

In order to simplify the transmission process, the School has been separated into three (3) distinct metric and file transmit XML objects. The XML metric and file transmit objects are the same structure regardless of the metric information being transmitted. The structure contains a node that defines the school that corresponds to the submitted metric. In addition, the structure contains nodes representing characteristics of the metric (Lunch Program Status), the associated value, and whether the metric value is a sub-total or grand total. The metric objects are contained within the file transmission objects that define the group of values that is being submitted.

5.1 Category XML Object

The category XML object is used to define the characteristics associated with a count. There may be zero, one, or more categories defined for a count. The XML object matrix is followed by an example of the object.

Table 5.1-1: School, Category XML Object

Element	Attribute	Data Element Name (from Fixed Format document)	Category Value	Char	Definition / Comments	Permitted Values
CATEGORY						
	TYPE			M	The category(ies) for the table type.	
		Lunch Program Status		M		LUNCHPROG
	VALUE			M	The category permitted value.	
			LUNCHPROG	M	An indication of students' qualification for free or reduced price lunch.	FL – Free lunch qualified RPL – Reduced price lunch qualified MISSING

Example:

```
<CATEGORY TYPE="LUNCHPROG" VALUE="FL"/>
<CATEGORY TYPE="LUNCHPROG" VALUE="RPL"/>
```

5.2 Table Type XML Object

The table type XML object is used to define the type and value of the count. It may contain category XML objects to define additional characteristics. The XML object matrix is followed by an example of the object.

Table 5.2-1: School, Table Type XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
TABLETYPE					
	Table Name	TYPEABBRV	M	The unduplicated number of students who are eligible to participate in the Free Lunch and Reduced-Price Lunch Programs under the National School Lunch Act.	LUNCHFREERED
	Total Indicator	TOTALINDICATOR	M	An indicator that defines the count level (i.e., detail level, subtotal level or grand total level).	N – specifies detail level Y – specifies a subtotal or grand total level.
CATEGORY			M	The categories used to define the characteristics associated with the count.	
AMOUNT	Student Count		M	If the count provided is either a subtotal or grand total, it must be equal to or greater than the sum of its parts.	
EXPLANATION	Explanation		O	Submitted files will be processed through various edit checks. When unusual conditions are detected, warning errors may be issued, even though the data may be valid. When this occurs, an explanation responding to the warning may be submitted with the data, or after files have been processed. The Department of Education will verify explanations, and after verification, accept the data.	

See example in Section 4.2 above.

5.3 Agency XML Object

This section defines the XML object used to submit all School metric information. The XML object matrix is followed by an example of the object.

Table 5.3-1: School, Agency XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
AGENCY					
	ID 559 FIPS State Code	FIPSSTATECODE	M	The two-digit Federal Information Processing Standards (FIPS) for the state, District of Columbia, and the possessions and freely associated areas of the United States (e.g., Puerto Rico).	For a list of valid FIPS State Codes, refer to the <i>EDFacts</i> Workbook.
	ID 570 State Agency Number	STATEAGENCYIDNUMBER	M	A number used in EDEN to uniquely identify state agencies. This ID cannot be updated through this file.	01 – State Education Agency
	ID 4 State LEA Identifier	STATELEAIDNUMBER	M	The identifier assigned to a local education agency (LEA) by the State Education Agency (SEA). Also known as State LEA ID. This ID is a required field. This data element cannot be updated through this file.	
	ID 5 State School Identifier	STATESCHOOLIDNUMBER	M	The identifier assigned to a school by the State Education Agency. Also known as the State School Identification Number. This ID cannot be updated through this file.	
TABLETYPE			MR	The XML Object used to define the type and value of the count.	

Example:

```
<AGENCY FIPSSTATECODE="94"
  STATEAGENCYIDNUMBER="01"
  STATELEAIDNUMBER="001000-0000001"
  STATESCHOOLIDNUMBER="001000-00001">
  <TABLETYPE> See Table Type example above. </TABLETYPE>
</AGENCY>
```


5.4 File Transmit XML Object

The file transmit object identifies the metric group being transmitted. It also identifies whether the metric group is at the State Agency, LEA, or school level. Further, each metric group has an allowable set of Table Types, categories, and category values that correspond to a particular reporting period. This section defines the various file transmit objects and valid metric combinations at the school level.

Table 5.4-1: School, File Transmit XML Object

Element	Data Element Name (from Fixed Format document)	Attribute	Char	Definition / Comments	Permitted Values
FILETRANSMISSION			M		
	File Type	FILELAYOUTTYPE	M	Identifies the type of file being submitted.	SCHOOL FREE AND REDUCED PRICE LUNCH
	File Identifier	FILEID	M	Any combination of standard characters to further identify the file as specified by the SEA, e.g., a date, person's name, and version number.	
	File Reporting Period	SCHOOLYEAR	M	Enter the Academic School Year for which data is being reported. The required format for entering the File Reporting Period is "CCYY-CCYY" or "CCYY CCYY", where either a hyphen or a space must separate the beginning and ending years, e.g., 2006-2007 or 2006 2007.	
AGENCY			MR	The information that fully describes the education unit.	

Example:

```
<FILETRANSMISSION
  FILELAYOUTTYPE="SCHOOL FREE AND REDUCED PRICE LUNCH"
  FILEID="School Free Lunch"
  SCHOOLYEAR="2006 2007">
  <AGENCY> See the agency element for description </AGENCY>
</FILETRANSMISSION>
```



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